

AMENDMENTS

IN THE CLAIMS

Please cancel claims 14 and 15 without prejudice, amend the claims below as shown, and add new claims 16-18.

1. -9. (Canceled)

10. (Currently amended) A therapeutic composition ~~usable for use in~~ tissue repair comprising:

- (a) a biologically compatible implant; and
- (b) a peptide associated with said implant, said peptide having a domain that mimics cell binding by collagen having cell binding which is enhanced with respect to collagen.

11. (Previously added) The therapeutic composition of claim 10, wherein said biologically compatible implant comprises a polymeric hydrogel.

12. (Previously added) The therapeutic composition of claim 10, wherein said peptide is selected from Gly-Thr-Pro-Gly-Pro-Gln-Gly-Ile-Ala-Gly-Gln-Arg-Gly-Val-Val (SEQ ID NO: 1), Gly-Pro-Gln-Gly-Ile-Ala-Gly-Gln-Arg (SEQ ID NO: 2), Gln-Gly-Ile-Ala-Gly-Gln (SEQ ID NO: 3), Gln-Gly-Ile-Ala-Gly-Gln-Arg (SEQ ID NO: 4), Phe-Gly-Ile-Ala-Gly-Phe (SEQ ID NO: 5), Gly-Ile-Ala-Gly-Gln (SEQ ID NO: 6), and Gln-Gly-Ala-Ile-Ala-Gln (SEQ ID NO: 7).

13. (Currently amended) A ~~cartilage repair~~ composition for ~~treatment~~ repair of bone, cartilage, tendons, ligaments, or muscle damage associated with arthritis, comprising a peptide with a domain that mimics the cell binding of collagen, said peptide exhibiting cell binding greater than that of collagen, said peptide being selected from Gly-Thr-Pro-Gly-Pro-Gln-Gly-Ile-Ala-Gly-Gln-Arg-Gly-Val-Val (SEQ ID NO: 1), Gly-Pro-Gln-Gly-Ile-Ala-Gly-Gln-Arg (SEQ ID NO: 2), Gln-Gly-Ile-Ala-Gly-Gln (SEQ ID NO: 3), Gln-Gly-Ile-Ala-Gly-Gln-Arg (SEQ ID NO: 4), Phe-Gly-Ile-Ala-Gly-Phe (SEQ ID NO: 5), Gly-Ile-Ala-Gly-Gln (SEQ ID NO: 6), and Gln-Gly-Ala-Ile-Ala-Gln (SEQ ID NO: 7).

14.- 15. (Canceled)

16. (**New**) The composition of claim 13, wherein the composition further comprises a biocompatible carrier.

17. (**New**) The composition of claim 16, wherein the biocompatible carrier is a hydrogel.

18. (**New**) The composition of claim 16, wherein the carrier is resorbable.